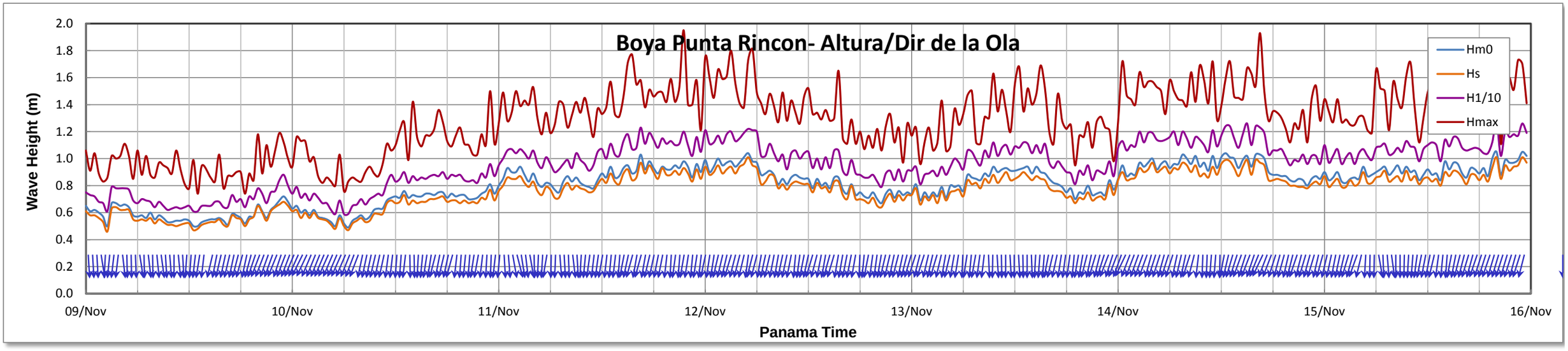
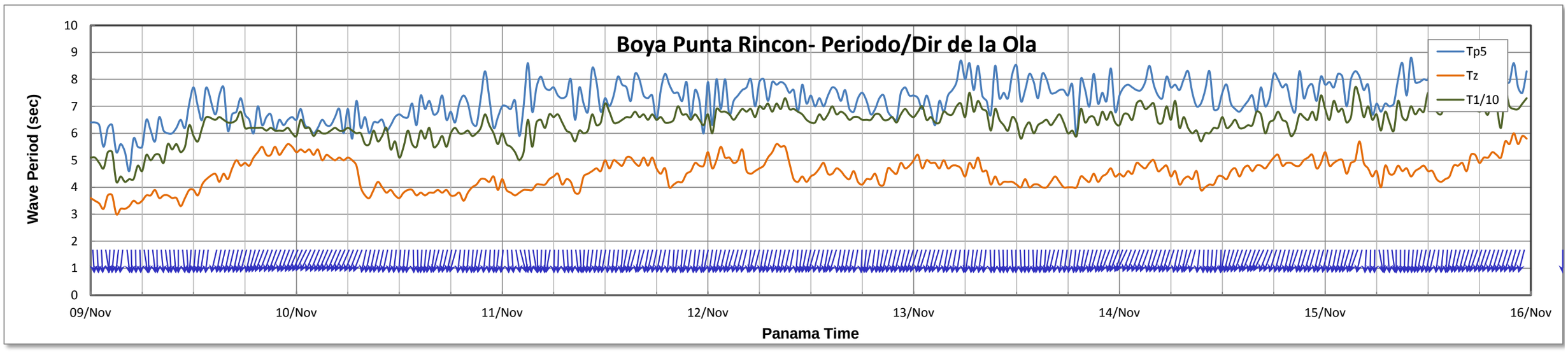
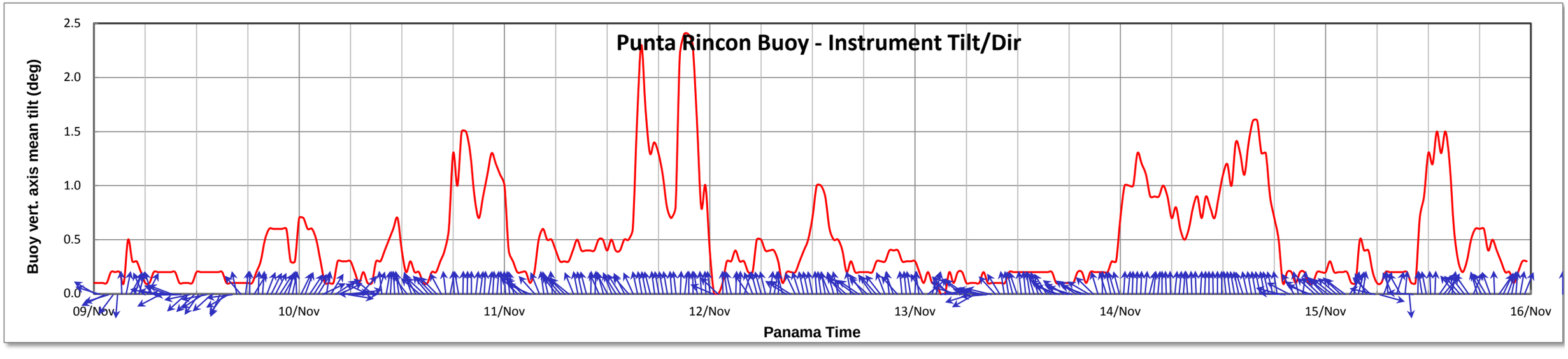
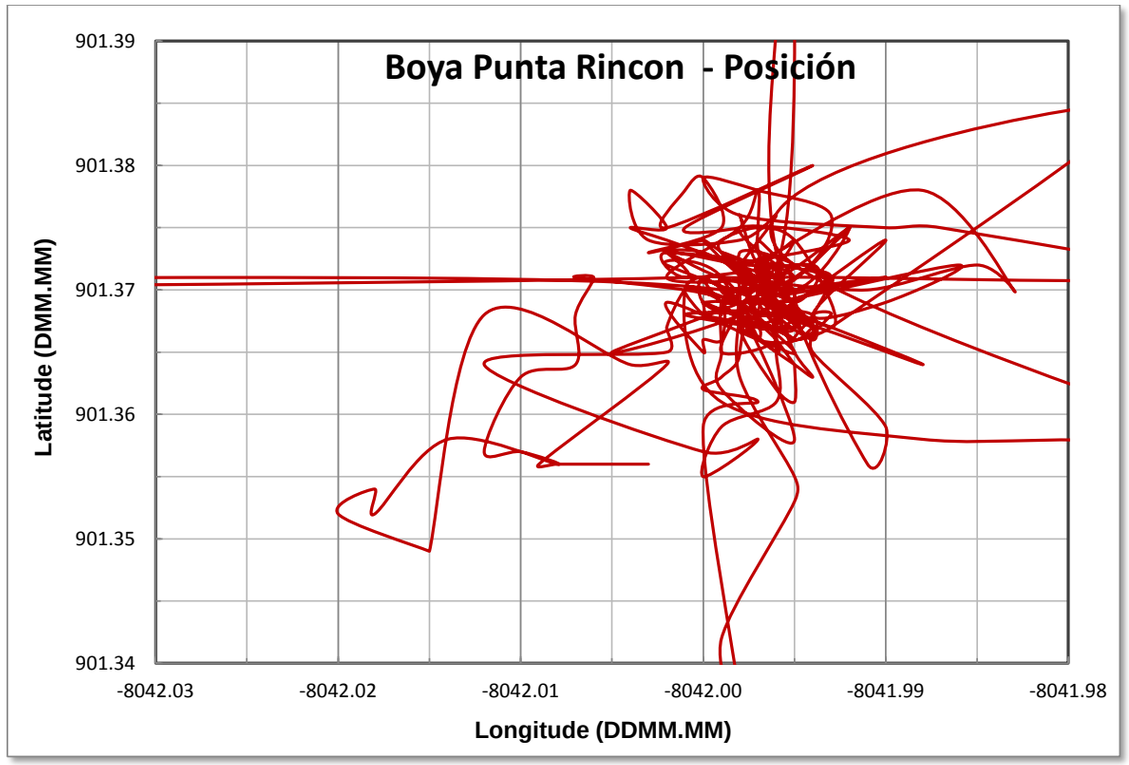

Boya Punta Rincon- Altura/Dir de la Ola
Wave Height (m)
2.0
1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Hm0
Hs
H1/10
Hmax
09/Nov
10/Nov
11/Nov
12/Nov
13/Nov
14/Nov
15/Nov
16/Nov
Panama Time


Boya Punta Rincon- Periodo/Dir de la Ola
Wave Period (sec)
10
9
8
7
6
5
4
3
2
1
0
Tp5
Tz
T1/10
09/Nov
10/Nov
11/Nov
12/Nov
13/Nov
14/Nov
15/Nov
16/Nov
Panama Time


Punta Rincon Buoy - Instrument Tilt/Dir
Buoy vert. axis mean tilt (deg)
2.5
2.0
1.5
1.0
0.5
0.0
09/Nov
10/Nov
11/Nov
12/Nov
13/Nov
14/Nov
15/Nov
16/Nov
Panama Time



TRIAXYS buoy at 9 deg 1.36 min N, 80 deg 42.005 min W (anchor depth ~20.4 m)

Wave parameters calculated on-board buoy
Waves sampled at 4 Hz for 20 minutes every 30 minutes

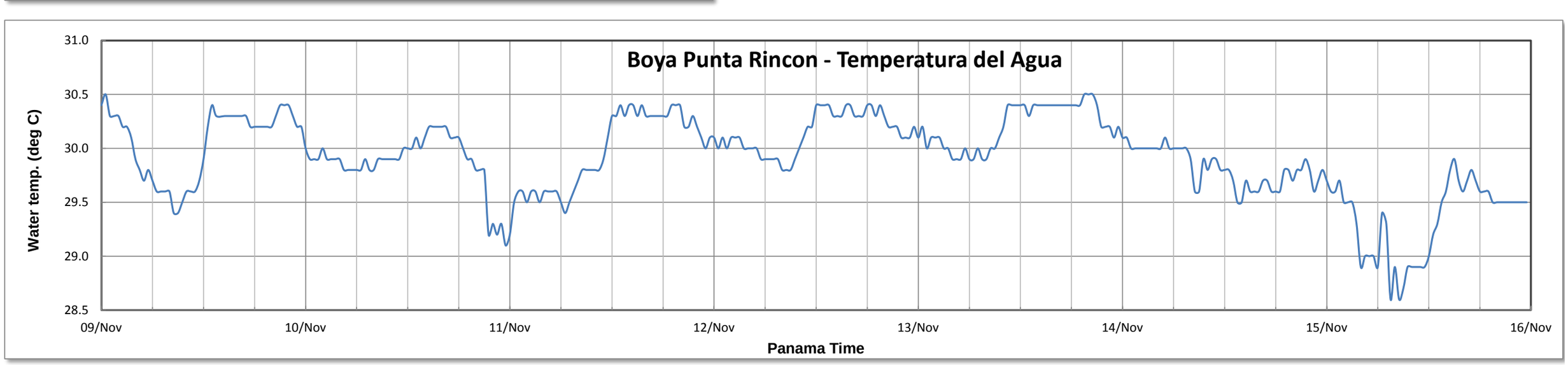
Wave parameter definitions:

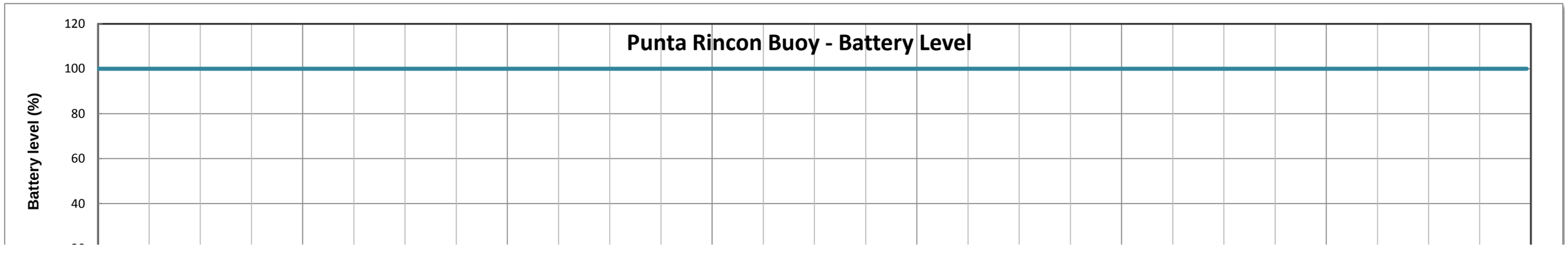
Hm0	significant wave height calculated from wave spectrum = 4*sqrt(m0) where m0 is the zeroth moment of the 1D wave spectrum
Hs	significant wave height calculated as the average of the highest 33% (1/3rd) of wave heights obtained from a zero-crossing analysis
H1/10	average of the highest 10% (1/10th) of wave heights
Hmax	maximum wave height in 20 minute measurement
Tp5	period of waves with highest energy (using Read method)
Tz	mean wave period = sqrt(m0/m2) where m2 is the second moment of the 1D wave spectrum
T1/10	mean period of the highest 10% (1/10th) of the waves

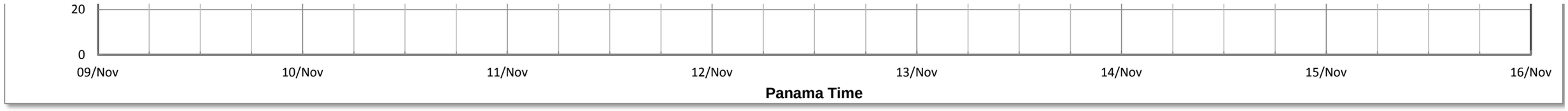
Wave direction vectors correspond to the mean direction

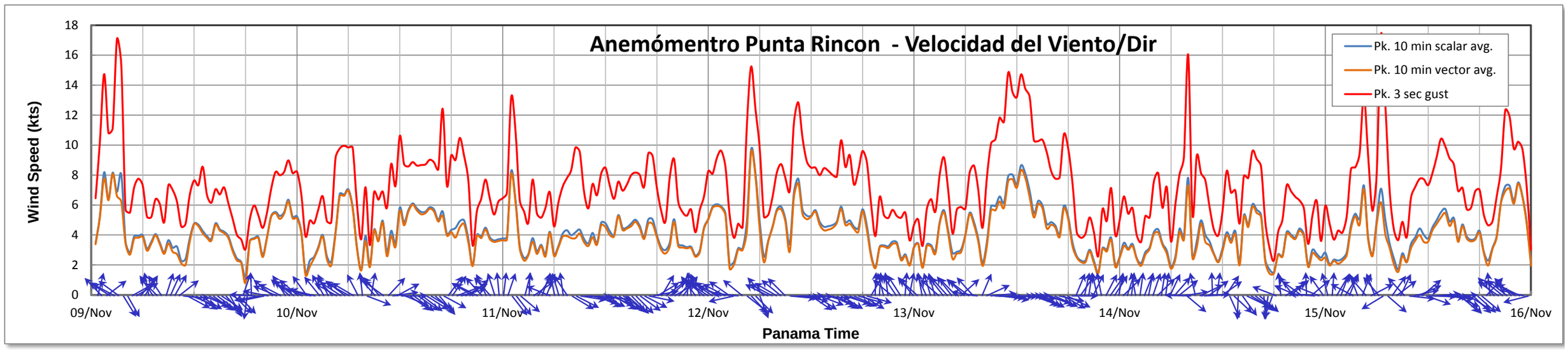
Tilt of buoy vertical axis is indicative of surface current speed and direction

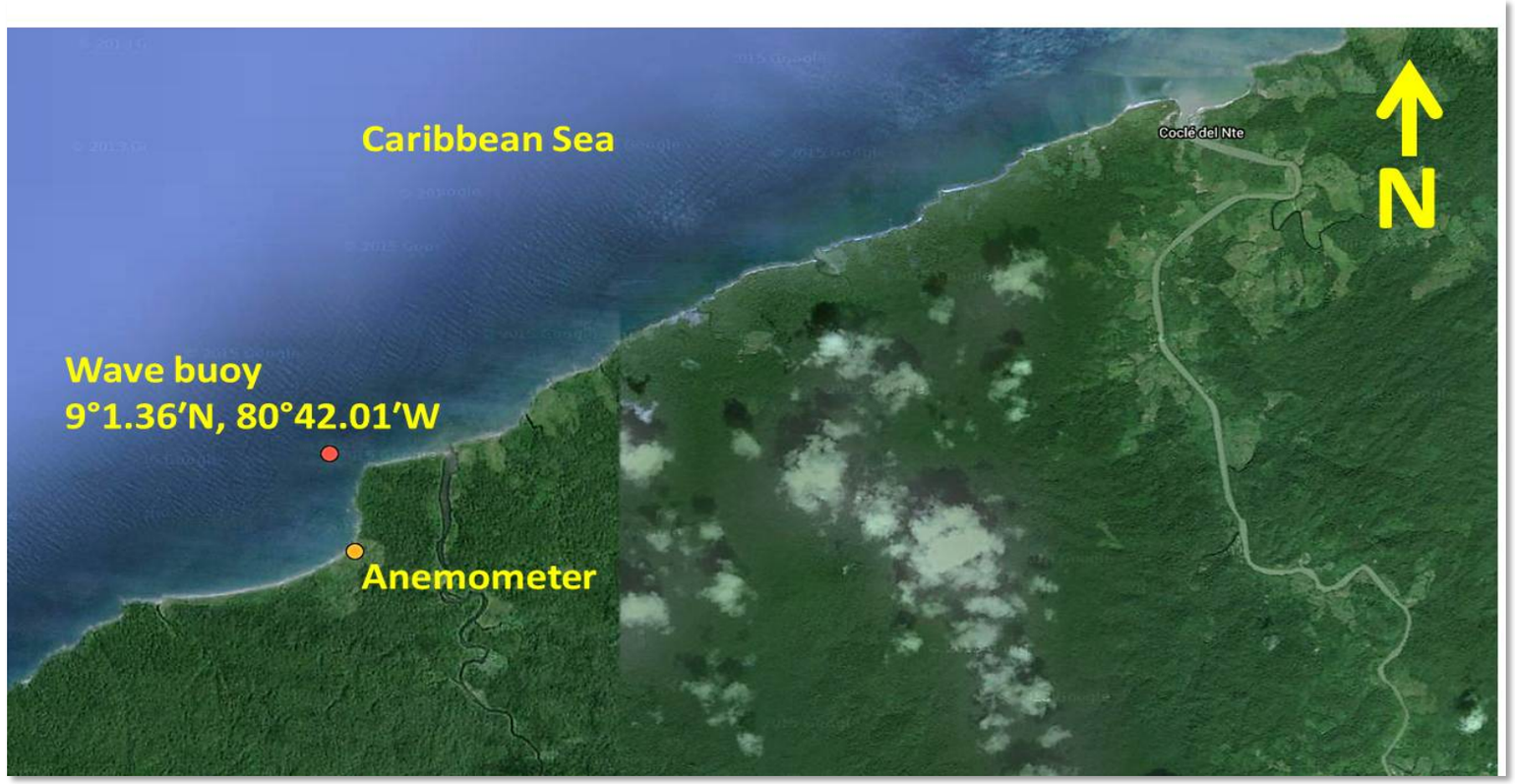
Length of axes (Lon & Lat) in buoy position plot is ~92 m






20
0
09/Nov
10/Nov
11/Nov
12/Nov
13/Nov
14/Nov
15/Nov
16/Nov
Panama Time


Anemómentro Punta Rincon - Velocidad del Viento/Dir
Wind Speed (kts)
18
16
14
12
10
8
6
4
2
0
09/Nov
10/Nov
11/Nov
12/Nov
13/Nov
14/Nov
15/Nov
16/Nov
Panama Time
Pk. 10 min scalar avg.
Pk. 10 min vector avg.
Pk. 3 sec gust


Caribbean Sea
Coclé del Nte
N
Wave buoy
9°1.36'N, 80°42.01'W
Anemometer